

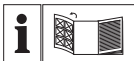
# FINE SOLDERING IRON SET PLBS 30 A1



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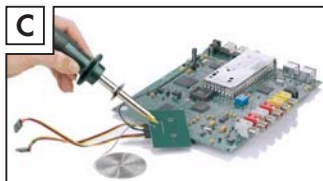
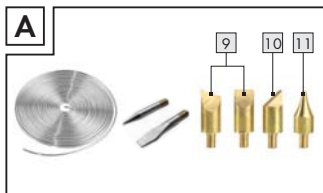
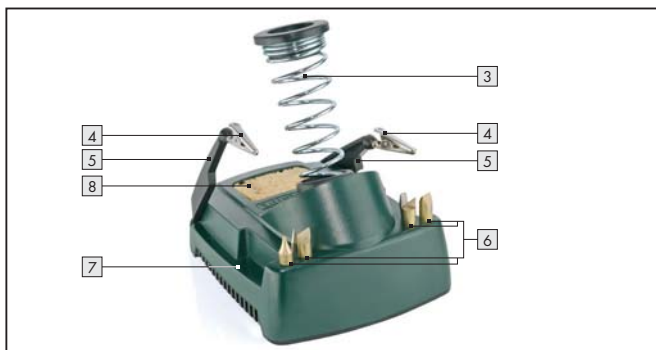
## FINE SOLDERING IRON SET

Operation and Safety Notes



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Before reading, unfold the page containing the illustrations and familiarise yourself with all functions of the device.





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## The following pictograms are used in these operating instructions / on the device:

	Read instruction manual!
	Observe caution and safety notes!
	Caution - electric shock! Danger to life!
	Risk of explosion!
	Risk of fire!
	Warning - Hot surfaces!
<b>V</b> ~	Volt (AC)
<b>W</b>	Watts (Effective power)
	Wear a breathing / dust mask, protective glasses, gloves and clothing.
	Keep children away from electrical devices!
	Check that the device, mains lead and plug are in good condition!
	Do not smoke!
	Do not eat!



Do not drink!



Dispose packaging and appliance in an environmentally-friendly way!

## Fine soldering iron set PLBS 30 A1

### ● Introduction



Please make sure you familiarise yourself fully with the way the device works before you use it for the first time and that you understand how to handle it correctly. Please read the operating instructions below. Be careful to keep these advice notes and if necessary pass them on to a third party.

### ● Proper use

The appliance is intended for electronic soldering for leisure and DIY purposes. It is designed for uses such as soldering work, wood-engraving, welding and gluing plastics and the application of decorations. Use the device only as described and for the indicated purposes. The device is not intended for commercial use. Any other use or modification to the device shall be considered as improper use and could give rise to considerable dangers. The manufacturer will not accept liability for loss or damage arising from improper use.

## ● Features and equipment

- 1 Soldering pencil
- 2 Soldering tip
- 3 Helical spring
- 4 Clips
- 5 Third hand
- 6 Holder for copper attachments
- 7 Multifunctional holder
- 8 Soldering sponge
- 9 Universal attachment
- 10 Pointed attachment
- 11 Conical attachment

## ● Included items

- 1 Fine soldering iron set PLBS 30 A 1
- 1 Multifunctional holder
- 1 Tin solder, 20 grams
- 2 Soldering tips (1 x installed)
- 4 Copper attachments (engraving tips)
- 1 Solder sponge
- 1 Operating instructions

## ● Technical information

Electricity supply: 230 V~

Frequency: 50 Hz

Power consumption: 30 W







## Safety advice

- **CAUTION!** Failure to observe the instructions and advice given below may result in electric shock, fire and/or serious injury.

### 1. Workplace safety


- a) **Keep your working area clean and well lit.** Untidy or poorly lit working areas can lead to accidents.
- b)  **Do not work with the device in potentially explosive environments in which there are inflammable liquids, gases or dusts.** Electrical power tools create sparks, which can ignite dusts or fumes.
- c)  **Keep children and other people away while you are operating the electrical tool.** Distractions can cause you to lose control of the device.

### 2. Electrical safety



**To avoid danger to life from electric shock:**

- a) **The mains plug on the device must match the mains socket. The plug must not be modified in any way. Do not use an adapter plug with devices fitted with a protective earth.** Unmodified plugs and matching sockets reduce the risk of electric shock.
- b) **Keep the device away from rain or moisture.** Water entering an electrical device increases the risk of electric shock.

- c) **Use a residual current device (RCD) for protection if operating the electrical power tool in a moist environment is unavoidable.** The use of an RCD reduces the risk of electric shock.
- d)  **Do not use the mains lead for any purpose for which it was not intended, e.g. to carry the device, to hang up the device or to pull the mains plug out of the mains socket. Keep the mains lead away from heat, oil, sharp edges or moving parts of the device.** Damaged or tangled mains leads increase the risk of electric shock.
- e) Do not operate the device if the mains lead or mains plug is damaged.
- ⚠ WARNING!** A damaged mains lead presents a serious danger to life from electric shock.
- f) Always keep the mains lead out of the operating area and run it away from the rear of the device.
- g) Always pull out the mains plug if you are about to leave the device unattended or wish to carry out any tasks on the device.

### 3. Personal safety

- a) **Children or persons who lack the knowledge or experience to use the device or whose physical, sensory or intellectual capacities are limited must never be allowed to use the device without supervision or instruction by a person responsible for their safety.**  
Children must never be allowed to play with the device.
- b) **Remain alert at all times, watch what you are doing and always proceed with caution. Do not use the device if you are tired or under the influence of**

**drugs, alcohol or medication.** One moment of carelessness when using the device can lead to serious injury.



**DANGER OF BURNS!** Never touch the hot soldering tip or the molten solder. You could suffer burn injuries. Always let the device cool before you replace components on the device, clean it or check its condition.



After use let the soldering pencil cool down in air only. Under no circumstances quench the tip in water!



**CAUTION! DANGER OF FIRE!** Place the soldering pencil down only in the special multifunctional holder or on a fire-resistant pad.

Place the soldering pencil in the multifunctional holder during pauses in your work.

Keep the device away from combustible material.

Never leave the device switched on and unattended.



**CAUTION! DANGER OF INJURY!** Keep your hands away from the hot workpiece. The heat from soldering can be conducted through the workpiece. For this reason you should use the third hand to hold small workpieces.

Avoid placing the hot soldering tip in contact with the plastic parts of the multifunctional holder. Failure to observe this advice may result in damage to the device.

If a dangerous situation arises, pull the mains plug immediately out of the mains socket.



**CAUTION! DANGER OF POISONING!** Do not breathe air contaminated with soldering fumes.



When working with the device for long periods do not allow the fumes from soldering to build up. They may be hazardous to health. Always provide adequate ventilation of your working area. In addition, it is recommended that you wear protective gloves, a face mask and a protective apron.

Always provide adequate ventilation of your working area. In addition, it is recommended that you wear protective gloves, a face mask and a protective apron.



Do not eat, drink or smoke in rooms where soldering is carried out. Otherwise your hands may transfer any adhering traces of lead via food or cigarettes into your body.

- Always wash your hands immediately after soldering .
- Do not dispose of soldering waste with the household rubbish. Soldering waste must be disposed of as special waste.

#### 4. Careful handling and use of electrical power tools

- When not in use always ensure that electrical power tools are kept out of reach of children. Do not let anyone use the device if he or she is not familiar with it or has not read the instructions and advice.** Electrical power tools are dangerous when they are used by inexperienced people.
- Look after the device carefully. Check for broken parts or parts that are damaged to the extent they detrimentally affect the functioning of the device. Have any damaged parts repaired before you use the device.** Many accidents have their origins in poorly maintained electrical tools.

## ● Original accessories / attachments

- Use only the accessories detailed in the operating instructions. The use of attachments or accessories other than those recommended here could lead to you suffering an injury.

## ● Before first use

### ● Fitting the helical spring

- Insert the narrower end of the helical spring **3** into the opening of the multifunctional holder **7**. Ensure that the outwardly bent end of the helix points upwards and insert it into the recess provided for it in the multifunctional holder **7** (see arrow in Fig. B).
- Push the helical spring **3** into the opening as far as it will go.
- Turn the helical spring **3** clockwise to fix the multifunctional holder **7** in place.

### ● Inserting / replacing soldering tips



**CAUTION! DANGER OF BURNS!** Allow the soldering pencil to heat up without a soldering tip.

- Removal of a soldering tip **2** or a copper attachment **9** **10** **11** may only be done when the appliance has been switched off and the soldering tip or attachment has cooled down.
- All soldering tips and attachments have a screw thread and can, therefore, be easily and quickly replaced on the soldering pencil **1**. Turn the soldering tip or attachment anti-clockwise to remove it. Turn the soldering tip or attachment clockwise to fix it in place.

## ● Operation

### ● Switching on and off

#### Switching on:

- Insert the mains plug into a suitable mains socket.

#### Switching off:

- Pull the plug out of the mains socket to switch off the device.

### ● Third hand



**CAUTION! DANGER OF BURNS!** The clips on the third hand **5** can become hot while you are soldering the workpiece.

1. Fold out the third hand **5** upwards.
2. Rotate the clips **4** until they are oriented in the required direction.
3. Clamp the workpiece between the two clips **4**.

### ● Solder sponge

**⚠ CAUTION!** The hot soldering tip **2** must never be placed in contact with a dry solder sponge **8**, otherwise the solder sponge may be damaged.

- The solder sponge **8** is used to clean soldering tips.
- Moisten the solder sponge **8** before you use it.

## ● Soldering

- The soldering pencil has a rated output of 30 watts and is therefore ideal for electronics soldering.
- The design of the soldering pencil makes it especially suitable for use where access is difficult or for fine soldering work.
- To achieve the best results use electronics solder 1.0 or 1.5 mm diameter 100% Sn. We recommend the use of soldering paste (not soldering grease or soldering fluid) as a flux.
  - Clean the soldering tip **2** on the moist solder sponge **8**.
  - After cleaning the tip **2** it must be “tinned” (coated with solder). This is done by melting solder on to the hot soldering tip **2**.
  - Guide the soldering tip **2** to the intended joint site and heat the joint.
  - Place the solder (with flux) between the joint site and the tip **2** to melt it.
  - Continue to feed further solder until the whole joint has a covering of solder.
  - Then quickly remove the soldering tip in order to avoid overheating the molten solder.
  - Allow the solder to harden while not subjecting it to vibration or movement.
  - **Note:** The flux is either already contained in the solder or applied separately. Ask the advice of the retailer when buying solder in order to choose the most suitable solder for your intended purpose.

### **Attachments and applications:**

**ATTENTION!** Do not carry out any special changes or repairs to the electrics or other parts. Exceptions are permitted if the person carrying out such changes or repairs is qualified or trained to do so.

You can fashion and decorate various materials with your soldering pencil. Remove the parts of the surface or engrave design elements into it (see Fig. D).

You can carry out these decorations in, for example, wood, leather, paper, papier mâché, smooth fabrics, thin plastics or candle wax.

Try every application out on surplus material and see if you get the effect you wish to have. This means you will avoid damaging the item you wish to work on.

### **Universal attachment** :

E.g. for drawings with broad and thin lines on various materials


### **Pointed attachment** :

E.g. for details or shading in over large areas

### **Conical attachment** :

E.g. for dots, curves and handwriting, detailed work

## ● **Maintenance and cleaning**

 **WARNING! RISK OF INJURY!** Before you carry out any work on the device always pull the mains plug out of the mains socket and allow the device to cool.

- Clean the device after you have finished using it.
- Use a cloth and a little mild detergent for cleaning the device.
- In no circumstances use sharp objects, or petrol, solvents or cleaning agents that might attack plastic.
- Do not allow any liquids to enter the inside of the device.



## ● Service centre

- **⚠ WARNING!** **Have your device repaired only by qualified specialist personnel using original manufacturer parts only.** This will ensure that your device remains safe to use.
- **⚠ WARNING!** **If the plug or mains lead needs to be replaced, always have the replacement carried out by the manufacturer or his service centre.** This will ensure that your device remains safe to use.

## ● Warranty

**The warranty for this appliance is for 3 years from the date of purchase. The appliance has been manufactured with care and meticulously examined before delivery. Please retain your receipt as proof of purchase. In the event of a warranty claim, please make contact by telephone with our Service Department. Only in this way can a post-free despatch for your goods be assured.**

The warranty covers only claims for material and manufacturing defects, but not for transport damage, for wearing parts or for damage to fragile components, e.g. buttons or batteries. This product is for private use only and is not intended for commercial use.

The warranty is void in the case of abusive and improper handling, use of force and internal tampering not carried out by our authorized service branch. Your statutory rights are not restricted in any way by this warranty.

The warranty period will not be extended by repairs made under warranty. This applies also to replaced and repaired parts. Any damage and defects extant on purchase must be reported immediately after unpacking the appliance, at the latest, two days after the purchase date. Repairs made after the expiration of the warranty period are subject to payment.

### **GB**

#### **DES UK LTD**

**Tel.: 0871 5000 700 (£ 0.10 / minute)**

**e-mail: support.uk@kompernass.com**

### **IE**

#### **Kompernass Service Ireland**

**Tel: 1850 930 412 (0,082 EUR/Min.)**

**Standard call rates apply.**

**Mobile operators may vary.**

**e-mail: support.ie@kompernass.com**

## ● Disposal



The packaging is wholly composed of environmentally-friendly materials that can be disposed of at a local recycling centre.



**Do not dispose of electrical devices  
with the household rubbish!**

In accordance with European Directive 2002/96/EC (covering waste electrical and electronic equipment) and its transposition into national legislation, worn out electrical devices must be collected separately and taken for environmentally compatible recycling.

Contact your local refuse disposal authority for more details of how to dispose of your worn-out devices.

## ● **Declaration of Conformity / Manufacturer $\text{C}\text{E}$**

We, Kompernaß GmbH, the person responsible for documents:  
Mr Felix Becker, Burgstr. 21, D-44867 Bochum, Germany, hereby  
declare that this product complies with the following standards, norma-  
tive documents and EU directives:

### **EU Low Voltage Directive (2006 / 95 / EC)**

### **Electromagnetic Compatibility (2004 / 108 / EC)**

#### **Applicable harmonized standards**

EN 55014-1:2006

EN 55014-2/A2:2008

EN 60335-1/A13:2008

EN 60335-2-45/A1:2008

EN 61000-3-2:2006

EN 61000-3-3:2008

EN 62233:2008

#### **Type / Device description:**

Fine soldering iron set PLBS 30 A1

**Date of manufacture (DOM): 01 - 2011**

**Serial number: IAN 61647**

Bochum, 31.01.2011



Hans Kompers  
- Managing Director -

We reserve the right to make technical modifications in the course of further development.

IAN 61647

**KOMPERNASS GMBH**

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D-44867 Bochum

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